

REMARKS/ARGUMENTS

I. Introduction:

Claims 1 and 11 are amended, new claim 24 is added, and claim 17 is canceled herein. Claim 2 was previously canceled. With entry of this amendment, claims 1, 3-16, and 18-24 will be pending.

II. Claim Rejections – 35 U.S.C. 103:

Claims 1, 3, 5-10, 11, 12, 14-19, and 20-23 stand rejected under 35 U.S.C. § 103(a) as being unpatentable over U.S. Patent No. 5,949,646, issued September 7, 1999 to Lee et al. in view of U.S. Patent No. 5,963,425, issued October 5, 1999 to Chrysler et al. Claims 4 and 13 have been rejected under 35 U.S.C. § 103(a) as being unpatentable over Lee in view of Chrysler and further in view of U.S. Patent No. 5,424,915, issued June 13, 1995 to Katooka et al.

Claim 1 is directed to an electronics assembly generally comprising a chassis defining an internal cavity for receiving a plurality of electronic cards, a divider within the chassis, a first air mover configured to cause air to flow through a first flow channel, and a second air mover configured to cause air flowing in the first flow channel to flow through a second flow channel. The divider is one of the electronic cards and positioned parallel to the other electronic cards. The divider defines the first and second flow channels.

Lee et al. disclose a compact computer having a redundant air moving system. As noted by the Examiner, Lee does not disclose an electronic card that defines first and second air channels.

The Chrysler et al. patent is directed to combined air and refrigeration cooling for computer systems. A cabinet with air inlet and exhaust openings includes one or more air-moving devices for the air cooling of circuit cards 20 and 20' contained within

the cabinet. The circuit cards are insertable into a board 50 (see Fig. 1A and 1B). Air moves from inlet 11 to exhaust 12 along air flow line 13. In rejecting the claims, the Examiner states that "Chrysler discloses the chassis having the electronic card 50 or back plane . . . defining the first and the second air flow channels." Applicants respectfully disagree with the Examiner. Chrysler et al. do not show or suggest an electronic card defining first and second flow channels. Instead, Chrysler et al. disclose a board 50 separating air flow 13 to cool circuit cards 20, 20' which are attached to the board. Furthermore, board 50 is not parallel to the electronic cards, as required by claim 1. The cards 20, 20' are inserted into the board 50 and positioned perpendicular thereto.

Accordingly, claim 1 is submitted as patentable over Lee et al., Chrysler et al., and the other prior art of record.

Claims 3-10, depending directly from claim 1, are submitted as patentable for at least the same reasons as claim 1.

Claim 11 is directed to an electronics assembly comprising, inter alia, a chassis defining an internal cavity for receiving a plurality of electronic cards and an electronic card within the chassis defining first and second flow channels. Since neither Lee et al. nor Chrysler et al. teach an electronic card defining first and second flow channels, claim 11 is submitted as nonobvious Lee et al. and Chrysler et al.

Claims 12-16, 18-19, and 23-24 depending from claim 11, are submitted as patentable for at least the same reasons as claim 11.

Independent claims 20 and 21 require an electronic card defining first and second flow channels and are submitted as nonobvious over the prior art of record for the reasons discussed above with respect to claims 1 and 11. Claim 22, depending directly from claim 21, is submitted as patentable for the same reasons as claim 21.

III. Conclusion:

For the foregoing reasons, Applicants believe that all of the pending claims are in condition for allowance and should be passed to issue. If the Examiner feels that a telephone conference would in any way expedite the prosecution of the application, please do not hesitate to call the undersigned at (408) 399-5608.

Respectfully submitted,



Cindy S. Kaplan
Reg. No. 40,043

P.O. Box 2448
Saratoga, CA 95070
Tel: 408-399-5608
Fax: 408-399-5609